

## AGENDA BILL APPROVAL FORM

<b>Agenda Subject:</b> Resolution 4449 – VHF Radio Systems Upgrade		<b>Date:</b> February 9, 2009
<b>Department:</b> Information Services	<b>Attachments:</b> Resolution No. 4449; VHF Radio System Upgrade Memo; City of Auburn-Full Quote	<b>Budget Impact:</b> \$184,919

**Administrative Recommendation:**

City Council adopt Resolution No. 4449.

**Background Summary:**

The existing VHF radio system needs to be upgraded to provide enhanced coverage to include the newly annexed areas of Lea Hill and West Hill; improved system stability by removing reliance on Qwest leased lines for in-building communications; and to meet upcoming FCC requirements for VHF spectrum rebanding due by 2013. The system upgrades will further enhance city-wide emergency management by expanding the availability of in-building radio stations and handheld radios for inter-departmental communications. A project committee consisting of management representatives from Information Services, Public Works, Police, VRFA and Parks was formed in early 2008 and has been actively working with the consultant since that time to determine minimum system requirements and evaluate proposed solutions. The project committee is in agreement that the system proposal submitted by Bearcom will meet our needs and will allow us to move forward in a timely manner.

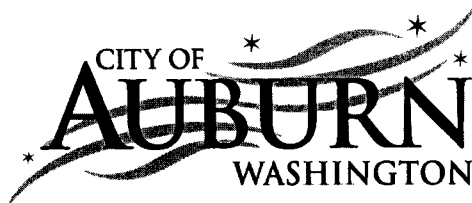
T0217-2  
A3.16.12

<b>Reviewed by Council &amp; Committees:</b> <input type="checkbox"/> Arts Commission <input type="checkbox"/> Airport <input type="checkbox"/> Hearing Examiner <input type="checkbox"/> Human Services <input type="checkbox"/> Park Board <input type="checkbox"/> Planning Comm.  <b>COUNCIL COMMITTEES:</b> <input checked="" type="checkbox"/> Finance <input type="checkbox"/> Municipal Serv. <input type="checkbox"/> Planning & CD <input checked="" type="checkbox"/> Public Works <input type="checkbox"/> Other _____	<b>Reviewed by Departments &amp; Divisions:</b> <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Building  <input type="checkbox"/> Cemetery  <input type="checkbox"/> Finance  <input type="checkbox"/> Fire  <input type="checkbox"/> Legal  <input type="checkbox"/> Public Works  <input type="checkbox"/> Information Services         </div> <div> <input type="checkbox"/> M&amp;O  <input type="checkbox"/> Mayor  <input type="checkbox"/> Parks  <input type="checkbox"/> Planning  <input type="checkbox"/> Police  <input type="checkbox"/> Human Resources         </div> </div>
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**Action:**

Committee Approval: ☐ Yes ☐ No  
 Council Approval: ☐ Yes ☐ No  
 Referred to \_\_\_\_\_ Until \_\_\_\_/\_\_\_\_/\_\_\_\_  
 Tabled \_\_\_\_\_ Until \_\_\_\_/\_\_\_\_/\_\_\_\_  
 Call for Public Hearing \_\_\_\_/\_\_\_\_/\_\_\_\_

<b>Councilmember:</b> Backus	<b>Staff:</b> Rempher
<b>Meeting Date:</b> February 17, 2009	<b>Item Number:</b> VIII.B.3



## Interoffice Memorandum Information Services

**To:** Mayor Lewis, Councilmembers  
**From:** Lorrie Rempher  
**Date:** February 9, 2009  
**Re:** VHF Radio System Upgrade

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### Overview

The existing VHF radio system needs to be upgraded to provide enhanced coverage to include the newly annexed areas of Lea Hill and West Hill; improved system stability by removing reliance on Qwest leased lines for in-building communications; and to meet upcoming FCC requirements for VHF spectrum rebanding due by 2013. The system upgrades will further enhance city-wide emergency management by expanding the availability of in-building radio stations and handheld radios for inter-departmental communications. A project committee consisting of management representatives from Information Services, Public Works, Police, VRFA and Parks was formed in early 2008 and has been actively working with the consultant since that time to determine minimum system requirements and evaluate proposed solutions. The project committee is in agreement that the system proposal submitted by Bearcom will meet our needs and will allow us to move forward in a timely manner.

### Summary of Costs

Line Item	Associated Cost
Hardware	\$94,400
Labor	\$66,500
Annual System Maintenance	\$6,000
Shipping	\$2,750
Tax	\$15,269
	\$184,919

### Recommendation

The project committee is recommending Council waive competitive bidding in the City's effort to upgrade our existing VHF radio system. We are requesting that our existing radio system contractor, Bearcom, be granted the contract to purchase and install system upgrades.

RCW 39.04.280(1)(b) does provide for an exemption to the competitive bid and negotiation requirements if the City finds that there are "special facilities or market conditions."

We believe sole source procurement for this project benefits the citizens of Auburn in the following manner:

Bearcom has been our primary VHF system vendor since 2004 and has provided hundreds of hours of support, maintenance, and system design assistance. As such, they are intimately familiar with the City's radio system and we

do not believe it's in the best interests of the citizens of Auburn to employ a new vendor, who is unfamiliar with our system requirements, to spend hundreds of additional hours researching and engineering a replacement system.

Further, City of Auburn faces the real danger of a significant flood event due to damage at Howard Hanson Dam. It is critical that City and VRFA personnel be able to operate and respond in the event of an emergency, and our VHF radio system is a key component providing city-wide communications. An upgrade to the system is required as quickly as possible to provide extended radio coverage in the newly annexed areas of West Hill and Lea Hill. Bearcom already has site design and equipment lists in place and are prepared to begin procurement and installation very quickly.

Public Works has set aside \$200,000 for this project in Equipment Rental Fund (550), Capital Facilities Plan for the 2009 budget year.



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Redmond WA 98052  
Phone 206|510|8956 Fax 425|895|9119  
[www.bearcom.com](http://www.bearcom.com)  
E-Mail: [dwayne.falcon@bearcom.com](mailto:dwayne.falcon@bearcom.com)

Prepared for:	City Of Auburn	DATE	PHONE	FAX
		02/10/09		
	Attn: Colin	YOUR INQUIRY DATE	TERMS	QUOTE NUMBER
		PROPOSED SHIPPING DATE	TO BE SHIPPED VIA	PO NUMBER
		CONSULTANT	EMAIL ADDRESS	
		Dwayne Falcon		

HERE IS OUR QUOTATION ON THE GOODS NAMED, SUBJECT TO THE CONDITIONS NOTED:

QTY.	PART	DESCRIPTION	PRICE	DISCOUNT	AMOUNT
8		ICOM F121 Base/Desktop Unit with Power Supply per WSCA	345.13		2,761.04
4		CPI-Tone Remote Desk Sets	459		1,836.00
		*City will need to install twisted pairs to connect desk sets in designated buildings			
1		TTP-1 Tone Remote Adapter	300		300.00
1	see attached	Antenna System for the City Wide System	9,900		9,900.00
1		Labor for installation, testing, optimization, tuning, aligning, of city wide system	66,500		66,500.00
		also installing base stations at all required buildings, pulling cable and terminating ends, and complete system setup for the VHF repeater system.			0.00
					0.00
1	see attached	This part list is the Quantar repeaters with the site link for the system. This would	58,878		58,878.00
1	see attached	be direct purchase off of Motorola WSCA contract and BearCom acting as the MR for Motorola.			0.00
					0.00
33	VHF- 16 Channel	Motorola CP-200 Handheld Radio per WSCA pricing	385.6		12,724.80
1		Outdoor Climate Controlled Unit for System	8,000		8,000.00
		*This will require city to provide a concrete slab for ODU to reside on.			0.00
1		Annual Maintenance Agreement-for Service Only	6,000		6,000.00
OTHER AVAILABLE OPTIONS					

NOTES:

SUBTOTAL **166,899.84**

SHIPPING Est **2,750.00**

TAX 9.0% **15,268.49**

OTHER

TOTAL **184,918.33**

QUOTE VALID FOR 30 DAYS

Dwayne Falcon

QUOTATION / P.O. ACCEPTED BY:

QUOTATION SUBMITTED BY:

North America's Leading Provider of Wireless Communications Equipment and Tailored Solutions

## **RESOLUTION NO. 4449**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF AUBURN, WASHINGTON, AUTHORIZING THE MAYOR AND CITY CLERK TO EXECUTE A CONTRACT WITH BEAR COMMUNICATIONS INC., d/b/a BEARCOM WIRELESS WORLDWIDE, FOR SYSTEM UPGRADES TO THE CITY'S VHF RADIO SYSTEM**

WHEREAS, the City of Auburn is engaged in various municipal functions, requiring radio communications using the city's VHF radio system; and

WHEREAS, the existing VHF radio system needs to be upgraded to provide enhanced coverage to include the newly annexed areas of Lea Hill and West Hill; improved system stability by removing reliance on Qwest leased lines for in-building communications; and to meet upcoming FCC requirements for VHF spectrum rebanding due by 2013; and

WHEREAS, the City of Auburn faces the real danger of a significant flood event due to damage at Howard Hanson Dam. It is critical that City and Valley Regional Fire Authority personnel be able to operate and respond in the event of an emergency, and our VHF radio system is a key component providing city-wide communications; and,

WHEREAS, An upgrade to the system is required as quickly as possible to provide extended radio coverage in the newly annexed areas of West Hill and Lea Hill. Bearcom already has site design and equipment lists in place and are prepared to begin procurement and installation very quickly; and

WHEREAS, Bear Communications Inc., d/b/a Bearcom Wireless Worldwide ("Bearcom"), the City's current primary VHF system vendor is

intimately familiar with the City's radio system and would be able to provide the upgrades more quickly than if the City went through its normal procurement cycle.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF AUBURN, WASHINGTON, HEREBY RESOLVES as follows:

**Section 1.** That the City Council, in accordance with RCW 39.04.280(1)(b), finds that special market conditions exist based on the potential for imminent flooding that would require increased City response, which response is contingent on effective radio coverage. Accordingly, competitive bid and negotiation requirements are waived for this contract.

**Section 2.** That the Mayor is authorized to negotiate an Agreement with Bear Communications Inc., d/b/a Bearcom Wireless Worldwide, in an amount not to exceed Two Hundred Thousand and 00/100 Dollars (\$200,000) sales tax included, and the Mayor and the City Clerk are authorized to execute such agreement as negotiated within budgetary and scoping parameters.

**Section 3.** That the Mayor is authorized to implement such administrative procedures as may be necessary to carry out the directives of this legislation.

**Section 4.** That this Resolution shall take effect and be in full force upon passage and signatures hereon.

Dated and Signed this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

CITY OF AUBURN

\_\_\_\_\_  
PETER B. LEWIS  
MAYOR

ATTEST:

\_\_\_\_\_  
Danielle E. Daskam, City Clerk

APPROVED AS TO FORM:

  
\_\_\_\_\_  
Daniel B. Heid, City Attorney